

The Development of Liberal Arts and Sciences

11 12

[illegible]

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Technological Singularity

[illegible][illegible][illegible]

Leukotomy [3]

In Math We Trust—Technological Singularity—AlphaGo Zero —superhuman ———“———
———”——— [4]———

[illegible][illegible]

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[illegible][illegible][illegible][illegible]

[5]

[illegible][illegible]

Ibn al-Haytham

[illegible]

□ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □

1516 well-controlled (Filippo Brunelleschi)

[illegible]

17

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[11] □□□
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[illegible][illegible]

well-controlled [13] [14]

metaphysics
[15]

□ □

□ □ □ □ □ □ □ □ □ □ □ □

18

[illegible]

[16] [17]

[illegible]

epistemology critique

□ □

[illegible][illegible]

[illegible]

[illegible][illegible][illegible][illegible]

□□□□□□□□□□□□□□□□□□□□□□□□ [29] □□□□□□□□□□□□□□□□□□□□□□
□□ guideline □ judgement □□□□□□□□□□□□□□□□□□□□□□□□“□□”□□□□□□□□□ [30]

□ □ □ □ □ □ □

2018 年，Google/Waymo 自动驾驶汽车在加州获得商用牌照，这是美国首个获得商用牌照的自动驾驶汽车。同时，5G 网络也在全球范围内开始商用。

スマートフォンが普及するにつれて、スマートフォンがインフラになる[31]。スマートフォンがインフラになる。

80年代、90年代、PCが普及するにつれて、Internetがスマートフォンで利用されるようになる。PC、Internet、スマートフォンが普及する。

iPhoneが普及するにつれて、スマートフォンがmainframe、PCと同等になる。スマートフォンがmainframe、PCと同等になる。

consolidation、smartphone、Consolidation、smartphoneが普及するにつれて、smartphoneが普及する。

smartphoneが普及するにつれて、smartphoneが普及する。

smartphoneが普及するにつれて、smartphoneが普及する。

smartphoneが普及するにつれて、smartphoneが普及する。

smartphoneが普及するにつれて、smartphoneが普及する。

greedy、[33]。greedy、[33]。

greedy、[33]。greedy、[33]。

Matrix、Matrix。Matrix、Matrix。

motif、motif。motif、motif。

[34]。[34]。

Hawthorne effect、Hawthorne effect。Hawthorne effect、Hawthorne effect。

smartphone

smartphoneが普及するにつれて、smartphoneが普及する。

individualism [35] The Selfish Gene (The Immortal Gene)

Gilded Age [36] 911

[illegible][illegible]

“ ”

Gilded Age

[illegible]

witch-hunt

Technological Singularity AlphaGo
Zero superhuman Technological Singularity AlphaGo
Zero

AI A Modern Approach Wind Tunnel approach
737Max

BRAIN Intiative

Leukotomy [40]

Technological Singularity

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[1]

[2]

[3]

[4] Chinese room

# Technological Singularity

[illegible][illegible]

[8] John Philoponus, *Commentary on Aristotle's Meteorology*, trans. D. G. Reardon, Loeb Classical Library, Harvard University Press, 1955.

[9] `architect` `architect` `methodology`

[illegible][illegible]

personality personality

physical sciences

[12] 1630

1632

[13]

1687

[14]

[15] Gödel's theorems suggest metaphysics from humans may not work. I do not cross the boundary between religion and science.

Je pense, donc je suis

[16] 20 insights

[17] Ferdinand Karl Schweikart

[18]

[19]









Intel smartphone CPU Technological Singularity

CPU OS smartphone CPU Intel ARM ARM Intel Google Android OS open source CPU OS

Linux Torvalds Linux Google Android Microsoft Apple smartphone Google Google CPU OS ARM Google CPU OS smartphone

smartphone

[33]

1920

niche sector

ARM CPU Linux Android CPU OS

[34] program music program music

[35]

[36] "On 28 July, after reading Serbia's reply, Wilhelm commented, 'But that eliminates any reason for war'[132] or 'every cause for war falls to the ground'. [133].....Wilhelm's sudden change of mind about war enraged Bethmann Hollweg, the military, and the diplomatic service, who proceeded to sabotage Wilhelm's offer.[135]", from [https://en.wikipedia.org/wiki/July\\_Crisis](https://en.wikipedia.org/wiki/July_Crisis).

Wilhelm 1857-1942) was a German psychiatrist and neurologist. He is best known for his discovery of the therapeutic value of leucotomy in certain psychoses.

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[40] Leukotomy was discovered by Moniz. Leukotomy was discovered by Moniz. Leukotomy was discovered by Moniz. Leukotomy was discovered by Moniz. Leukotomy was discovered by Moniz. <https://www.nobelprize.org/prizes/medicine/1949/moniz/article/>, First published 29 October 1998

Moniz discovered leucotomy "for his discovery of the therapeutic value of leucotomy in certain psychoses." Leukotomy was discovered by Moniz. <https://www.nobelprize.org/prizes/medicine/1949/moniz/biographical/>

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